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Figure 1b

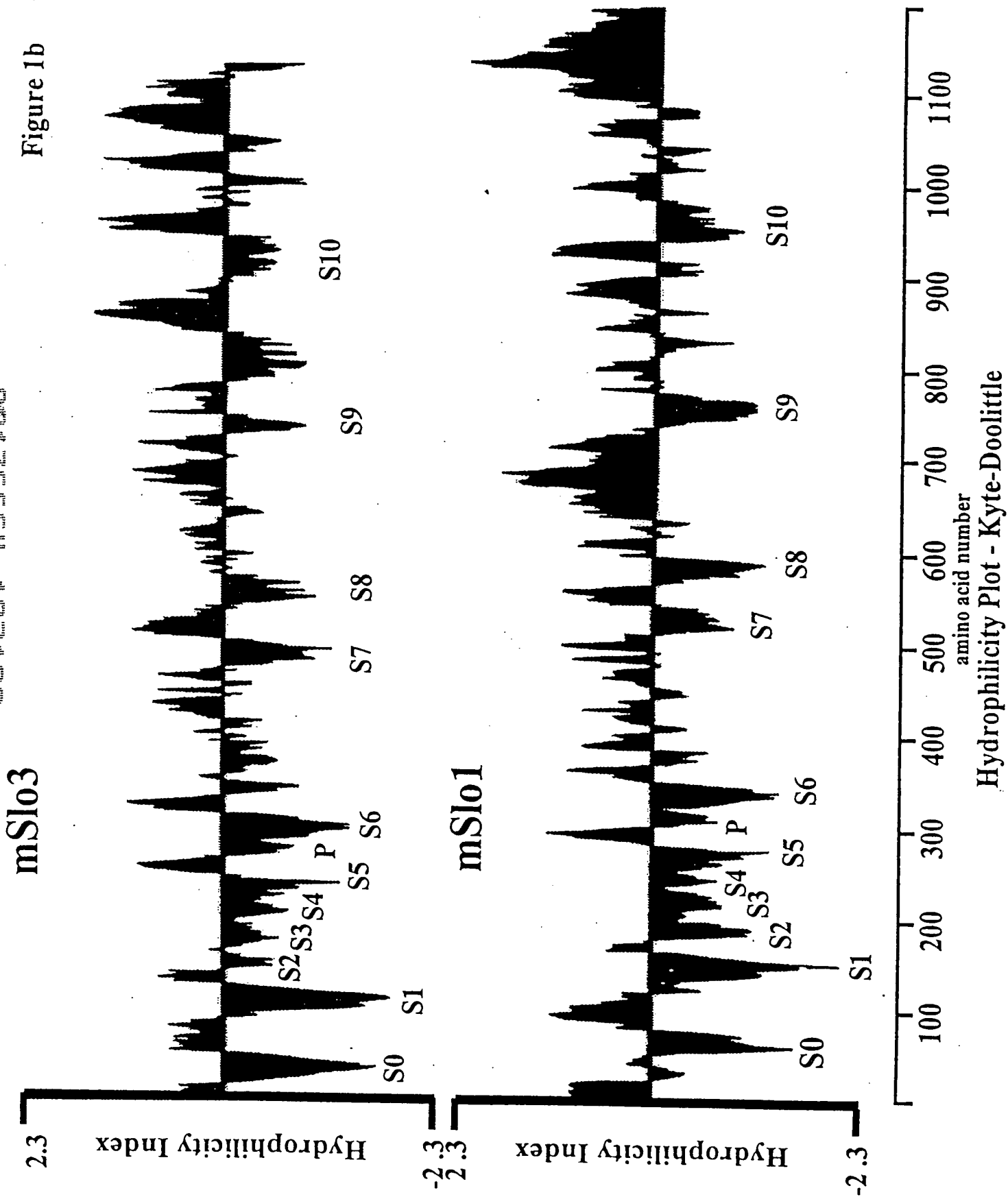


Figure 2A

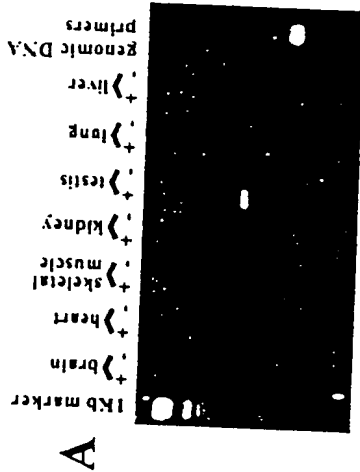


Figure 2C

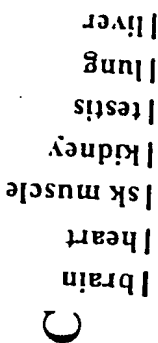


Figure 2D

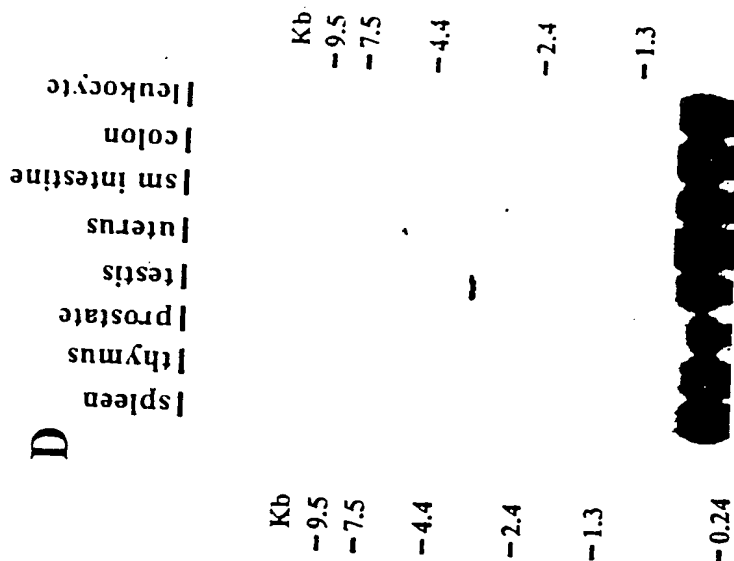
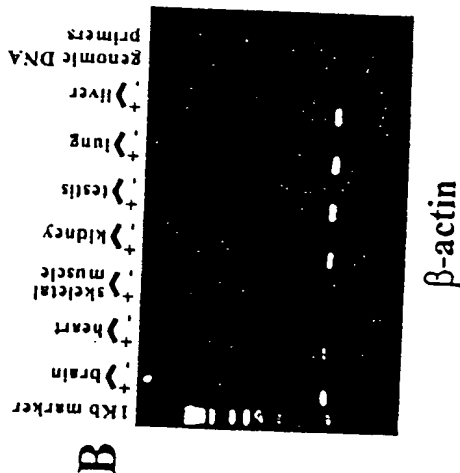


Figure 2B



Figures 3A-3D Figure 3A  
a Varying pH at +80mV

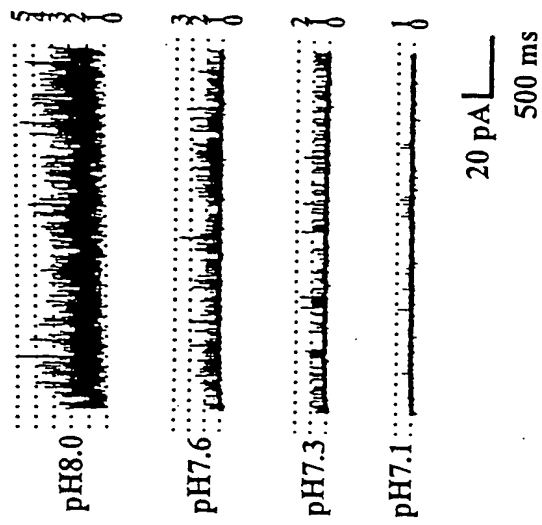


Figure 3D  
d Macroscopic patch current

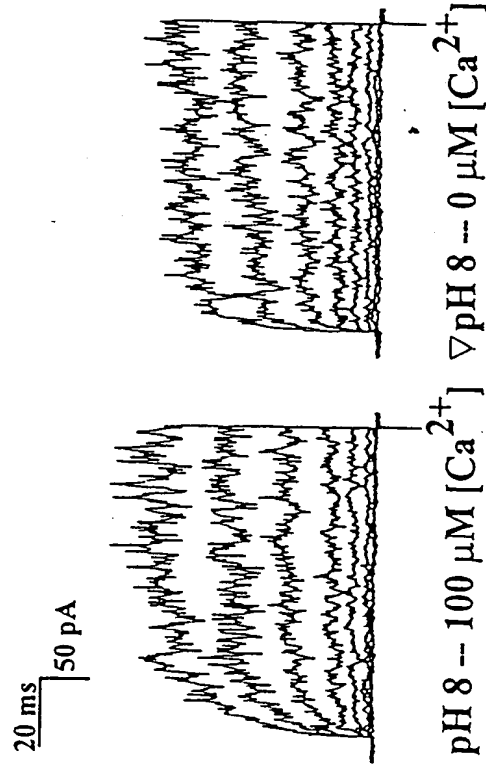


Figure 3B  
b Reversibility of  
pH Effect

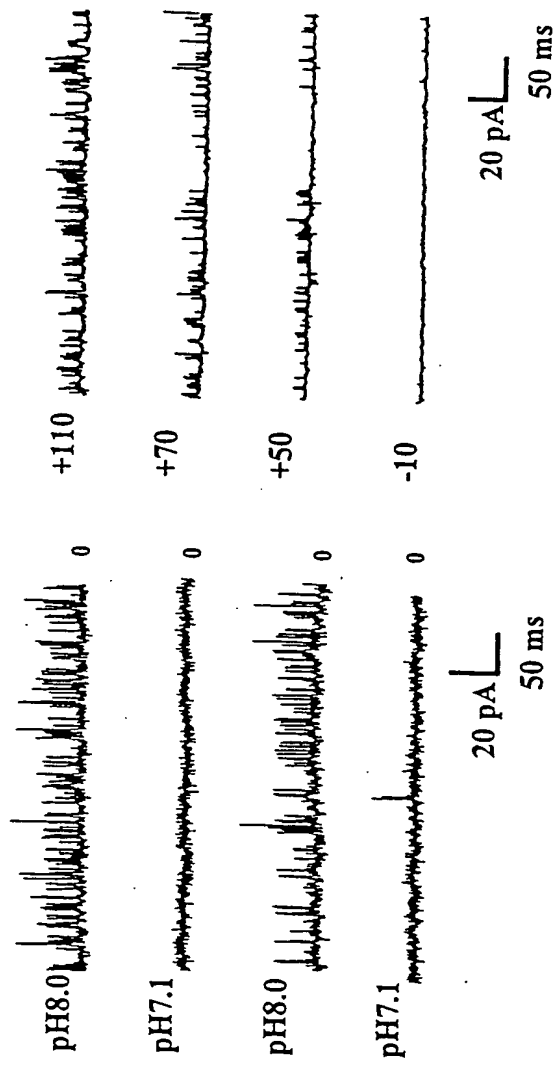


Figure 3C  
c Varying Voltage  
at pH 7.6

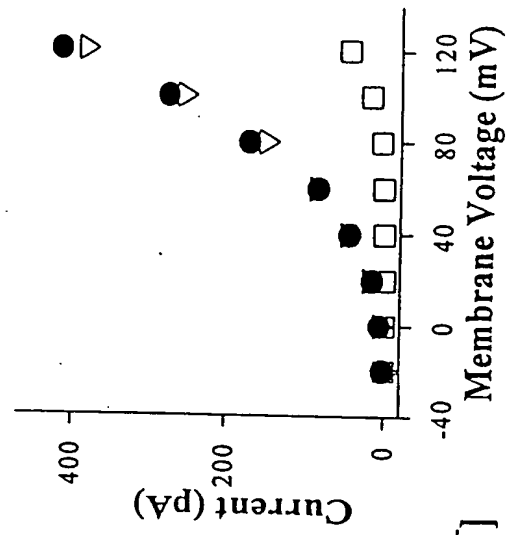
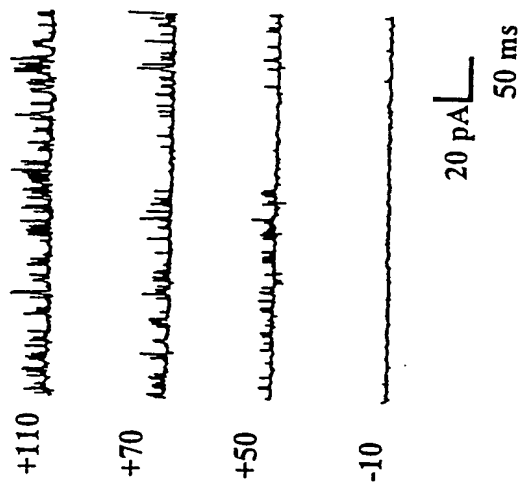


Figure 4A-D

Figure 4A

a

nd96

nd96 +  $\text{HCO}_3^-$

nd96 +  $\text{NH}_4^+$

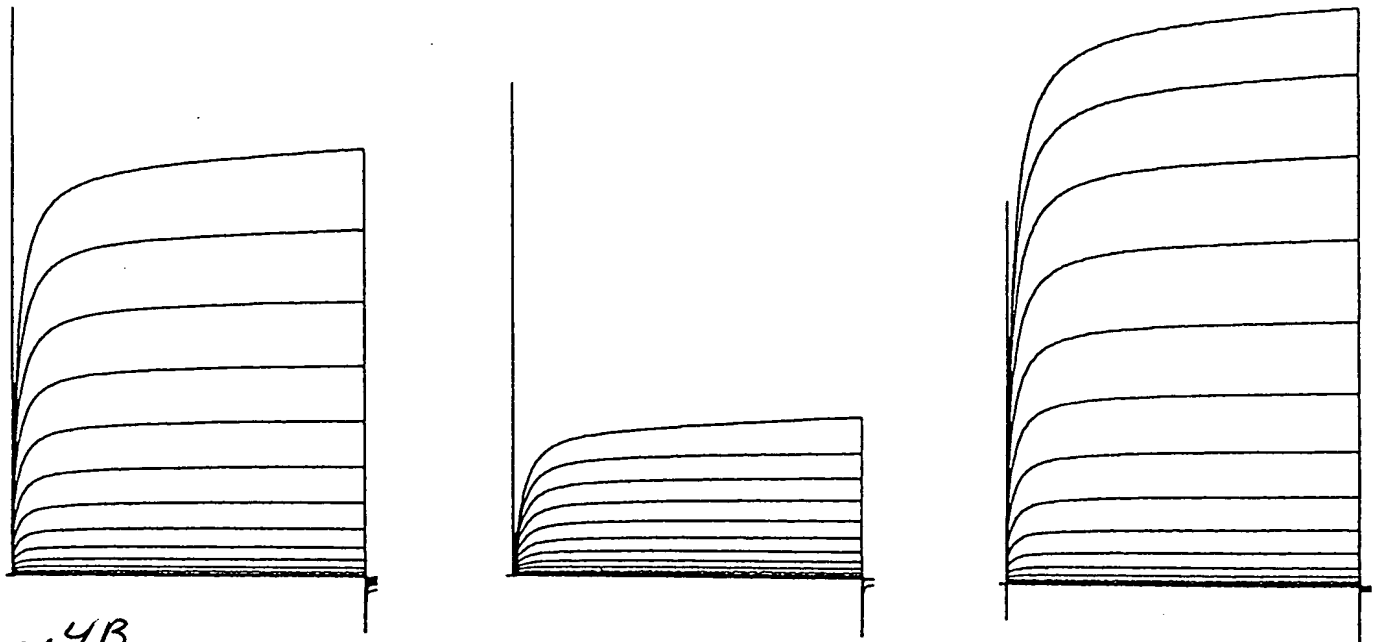


Figure 4B

b

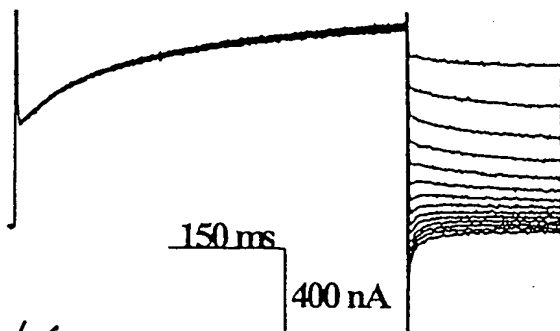


Figure 4C

c

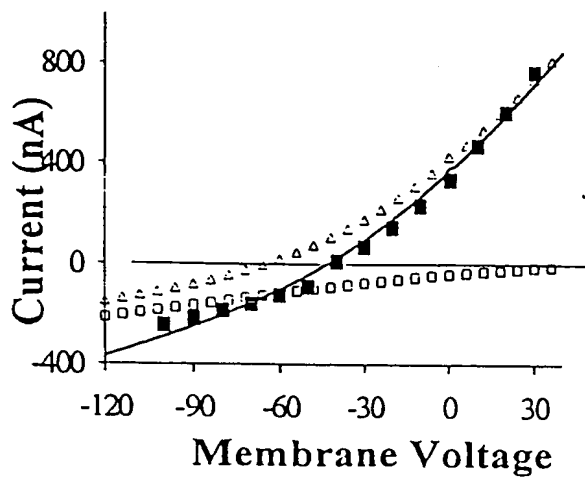


Figure 4D

d

